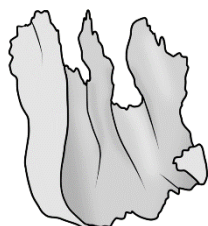


Name:

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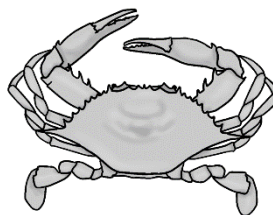
The figure below shows a food chain that is found in the sea.



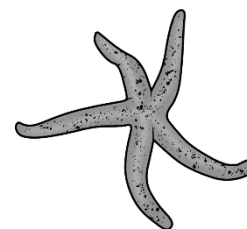
green algae



sea snail



crab



starfish

i. State the name of the producer in this food chain.

Green algae

ii. Define the term producer.

Organisms that make their own food using photosynthesis.

iii. State the name of the secondary consumer in this food chain.

Crab

iv. State the name of the herbivore in this food chain.

Sea snail

v. State what the arrows in a food chain represent.

It represents energy transfer between organisms or between trophic levels.

Describe **how** impulses are able to cross a synapse.

They are converted to neurotransmitters which diffuse across the synapse.

State **two ways** white blood cells defend the body against disease.

**They produce antibodies.
They engulf pathogens.**

Accept phagocytosis.

State the substrate and products for the enzyme lipase.

Substrate = **Lipids** Products = **three fatty acids and one glycerol molecule.**

Define the term gene.

A gene is a short section of DNA that codes for the production of a particular protein.

Define the term enzyme.

A biological catalyst that is made of protein.

Give the balanced symbol equation for aerobic respiration.

